

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=4; day=23; hr=15; min=53; sec=59; ms=390;]

=====

Application No: 10529885

Version No: 1.0

Input Set:**Output Set:****Started:** 2008-04-09 15:24:27.815**Finished:** 2008-04-09 15:24:33.713**Elapsed:** 0 hr(s) 0 min(s) 5 sec(s) 898 ms**Total Warnings:** 66**Total Errors:** 0**No. of SeqIDs Defined:** 66**Actual SeqID Count:** 66

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-04-09 15:24:27.815
Finished: 2008-04-09 15:24:33.713
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 898 ms
Total Warnings: 66
Total Errors: 0
No. of SeqIDs Defined: 66
Actual SeqID Count: 66

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Maksyutov, Amir Z.
Ryzhikov, Alexander B.
Kolobov, Alexander A.
Maksyutov, Zaki A.

<120> ANTIGENIC PEPTIDES

<130> 701575

<140> 10529885

<141> 2008-04-09

<150> PCT/RU2003/000421

<151> 2003-08-19

<160> 66

<170> PatentIn version 3.5

<210> 1

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide library

<220>

<221> SITE

<222> (3)..(3)

<223> X is Asp or Asn

<220>

<221> SITE

<222> (4)..(4)

<223> X is Leu, Trp or Tyr

<220>

<221> SITE

<222> (5)..(5)

<223> X is Lys, Thr, Asn, Gly or Glu

<220>

<221> SITE

<222> (6)..(6)

<223> X is Asn or Thr

<220>

<221> SITE

<222> (7)..(7)

<223> X is Thr, Asn, Ala or Asp

<220>

<221> SITE
<222> (8)..(8)
<223> X is Thr, Asn or Val

<220>
<221> SITE
<222> (9)..(9)
<223> X is Asn or Thr

<220>
<221> SITE
<222> (10)..(10)
<223> X is Thr, Asn, Val or Ala

<220>
<221> SITE
<222> (11)..(11)
<223> X is Asn or Thr

<220>
<221> SITE
<222> (12)..(12)
<223> X is Ser, Asn, Ala or Ile

<220>
<221> SITE
<222> (13)..(13)
<223> X is Ser, Asn or Gly

<220>
<221> SITE
<222> (14)..(14)
<223> X is Ser, Asn or Glu

<220>
<221> SITE
<222> (15)..(15)
<223> X is Gly, Ser or Asn

<220>
<221> SITE
<222> (16)..(16)
<223> X is Met, Thr, Ile or Glu

<220>
<221> SITE
<222> (17)..(17)
<223> X is Glu or Lys

<220>
<221> SITE
<222> (18)..(18)
<223> X is Lys, Glu, Gly, Asn or Thr

<220>
<221> SITE
<222> (19)..(19)

<223> X is Gly or Glu

<220>

<221> SITE

<222> (21)..(21)

<223> X is Ile or Met

<220>

<221> SITE

<222> (21)..(21)

<223> X is Ile or Met

<400> 1

Cys Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1 5 10 15

Xaa Xaa Xaa Glu Xaa Lys Asn

20

<210> 2

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide library

<220>

<221> SITE

<222> (3)..(3)

<223> X is Asn or Asp

<220>

<221> SITE

<222> (4)..(4)

<223> X is Val or Ala

<220>

<221> SITE

<222> (5)..(5)

<223> X is Asn or Thr

<220>

<221> SITE

<222> (6)..(6)

<223> X is Val or Ser

<220>

<221> SITE

<222> (7)..(7)

<223> X is Thr, Asn or Val

<220>

<221> SITE
<222> (8)..(8)
<223> X is Ser, Asn or Val

<220>
<221> SITE
<222> (9)..(9)
<223> X is Thr, Asn, Val or Ala

<220>
<221> SITE
<222> (10)..(10)
<223> X is Ser, Asn, Val or Ala

<220>
<221> SITE
<222> (11)..(11)
<223> X is Asn, Ala or Ser

<220>
<221> SITE
<222> (12)..(12)
<223> X is Thr, Ile, Asn or Asp

<220>
<221> SITE
<222> (13)..(13)
<223> X is Thr, Ile, Arg, Asp or Asn

<220>
<221> SITE
<222> (14)..(14)
<223> X is Glu, Thr, Asn, Val or Tyr

<220>
<221> SITE
<222> (15)..(15)
<223> X is Gly, Glu, Ser or Asn

<220>
<221> SITE
<222> (16)..(16)
<223> X is Asp, Met, Asn, Gly, Thr or Ile

<220>
<221> SITE
<222> (17)..(17)
<223> X is Lys, Glu or Gln

<220>
<221> SITE
<222> (18)..(18)
<223> X is Glu or Gly

<220>
<221> SITE
<222> (20)..(20)

<223> X is Ile or Met

<400> 2

Cys Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Glu Xaa Lys Asn
20

<210> 3

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide library

<220>

<221> SITE

<222> (3)..(3)

<223> X is Asp or Asn

<220>

<221> SITE

<222> (4)..(4)

<223> X is Leu, Trp or Tyr

<220>

<221> SITE

<222> (5)..(5)

<223> X is Lys, Asn, Thr, Glu or Gly

<220>

<221> SITE

<222> (7)..(7)

<223> X is Ala, Thr, Asn or Asp

<220>

<221> SITE

<222> (8)..(8)

<223> X is Thr or Asn

<220>

<221> SITE

<222> (9)..(9)

<223> X is Asn or Thr

<220>

<221> SITE

<222> (10)..(10)

<223> X is Thr or Asn

<220>

<221> SITE
<222> (11)..(11)
<223> X is Asn or Thr

<220>
<221> SITE
<222> (12)..(12)
<223> X is Ser, Asn or Ala

<220>
<221> SITE
<222> (13)..(13)
<223> X is Ser, Asn or Gly

<220>
<221> SITE
<222> (14)..(14)
<223> X is Ser or Asn

<220>
<221> SITE
<222> (15)..(15)
<223> X is Glu, Ser or Asn

<220>
<221> SITE
<222> (16)..(16)
<223> X is Glu, Met, Gly, Thr, Ile or Lys

<220>
<221> SITE
<222> (17)..(17)
<223> X is Ile, Thr, Met, Lys or Glu

<220>
<221> SITE
<222> (18)..(18)
<223> X is Met, Ile, Thr or Glu

<220>
<221> SITE
<222> (20)..(20)
<223> X is Lys, Gly, Glu or Thr

<220>
<221> SITE
<222> (21)..(21)
<223> X is Gly or Glu

<220>
<221> SITE
<222> (23)..(23)
<223> X is Ile or Met

<400> 3

Cys Thr Xaa Xaa Xaa Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

Xaa Xaa Glu Xaa Xaa Glu Xaa Lys Asn
20 25

<210> 4
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide library

<220>
<221> SITE
<222> (2)..(2)
<223> X is Thr, Arg or Val

<220>
<221> SITE
<222> (3)..(3)
<223> X is Asn or Asp

<220>
<221> SITE
<222> (4)..(4)
<223> X is Ala, Val or Thr

<220>
<221> SITE
<222> (5)..(5)
<223> X is Thr or Asn

<220>
<221> SITE
<222> (6)..(6)
<223> X is Arg, Ser, Asn, Val or Ala

<220>
<221> SITE
<222> (7)..(7)
<223> X is Asn, Thr or Asp

<220>
<221> SITE
<222> (8)..(8)
<223> X is Gly, Asn, Ser or Val

<220>
<221> SITE
<222> (9)..(9)
<223> X is Asn or Thr

<220>

<221> SITE
<222> (10)..(10)
<223> X is Val, Thr or Ala

<220>
<221> SITE
<222> (11)..(11)
<223> X is Thr or Asn

<220>
<221> SITE
<222> (12)..(12)
<223> X is Tyr, Val, Ser or Asn

<220>
<221> SITE
<222> (13)..(13)
<223> X is Asn, Thr or Asp

<220>
<221> SITE
<222> (14)..(14)
<223> X is Asn, Asp, Ser or Gly

<220>
<221> SITE
<222> (15)..(15)
<223> X is Thr or Asn

<220>
<221> SITE
<222> (16)..(16)
<223> X is Met, Ile or Thr

<220>
<221> SITE
<222> (17)..(17)
<223> X is Glu, Lys, Asn or Thr

<220>
<221> SITE
<222> (18)..(18)
<223> X is Gly, Glu or Lys

<220>
<221> SITE
<222> (20)..(20)
<223> X is Ile or Met

<400> 4

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Glu Xaa Lys Asn
20

<210> 5
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide library

<220>
<221> SITE
<222> (2)..(2)
<223> X is Thr or Ile

<220>
<221> SITE
<222> (3)..(3)
<223> X is Asp or Asn

<220>
<221> SITE
<222> (4)..(4)
<223> X is Trp, Ala, Val, Glu or Tyr

<220>
<221> SITE
<222> (5)..(5)
<223> X is Lys, Trp, Thr, Asn or Leu

<220>
<221> SITE
<222> (6)..(6)
<223> X is Asn, Gly or Ser

<220>
<221> SITE
<222> (7)..(7)
<223> X is Asn or Glu

<220>
<221> SITE
<222> (8)..(8)
<223> X is Thr, Ala, Asn or Tyr

<220>
<221> SITE
<222> (10)..(10)
<223> X is Thr, Asn, Asp or Gly

<220>
<221> SITE
<222> (11)..(11)
<223> X is Asn, Gly, Lys or Thr

<220>

<221> SITE
<222> (12)..(12)
<223> X is Asn, Ser or Lys

<220>
<221> SITE
<222> (13)..(13)
<223> X is Asn, Thr, Lys or Ala

<220>
<221> SITE
<222> (14)..(14)
<223> X is Thr, Val or Ala

<220>
<221> SITE
<222> (15)..(15)
<223> X is Thr or Asp

<220>
<221> SITE
<222> (16)..(16)
<223> X is Met, Ile, Glu, Asn, Lys or Thr

<220>
<221> SITE
<222> (17)..(17)
<223> X is Glu or Gly

<220>
<221> SITE
<222> (18)..(18)
<223> X is Gly, Ile or Thr

<220>
<221> SITE
<222> (20)..(20)
<223> X is Met or Val

<400> 5

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Glu Xaa Lys Asn
20

<210> 6
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide library

<220>
<221> SITE
<222> (2)..(2)
<223> X is Thr, Arg or Ala

<220>
<221> SITE
<222> (3)..(3)
<223> X is Asn, Asp, Ala or Ser

<220>
<221> SITE
<222> (4)..(4)
<223> X is Ala, Thr, Asn or Ile

<220>
<221> SITE
<222> (5)..(5)
<223> X is Thr or Ile

<220>
<221> SITE
<222> (6)..(6)
<223> X is Asn, Thr or Val

<220>
<221> SITE
<222> (7)..(7)
<223> X is Ala or Thr

<220>
<221> SITE
<222> (9)..(9)
<223> X is Asn or Ser

<220>
<221> SITE
<222> (10)..(10)
<223> X is Asp, Asn, Gly or Ser

<220>
<221> SITE
<222> (11)..(11)
<223> X is Thr, Asn or Ala

<220>
<221> SITE
<222> (12)..(12)
<223> X is Ile or Thr

<220>
<221> SITE
<222> (13)..(13)
<223> X is Thr, Asn or Ala

<220>

<221> SITE
<222> (14)..(14)
<223> X is Asn, Gly or Asp

<220>
<221> SITE
<222> (15)..(15)
<223> X is Thr, Asp or Pro

<220>
<221> SITE
<222> (19)..(19)
<223> X is Glu or Ile

<220>
<221> SITE
<222> (20)..(20)
<223> X is Glu or Ser

<220>
<221> SITE
<222> (21)..(21)
<223> X is Pro, Gln or Ser

<220>
<221> SITE
<222> (22)..(22)
<223> X is Gly or Glu

<220>
<221> SITE
<222> (23)..(23)
<223> X is Ala or Glu

<220>
<221> SITE
<222> (24)..(24)
<223> X is Ile or Met

<220>
<221> SITE
<222> (25)..(25)
<223> X is Gln or Lys

<400> 6

Cys Xaa Xaa Xaa Xaa Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Thr
1 5 10 15

Leu Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn
20 25

<210> 7
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide library

<220>

<221> SITE

<222> (3)..(3)

<223> X is Asn or Asp

<220>

<221> SITE

<222> (4)..(4)

<223> X is Val or Ala

<220>

<221> SITE

<222> (5)..(5)

<223> X is Thr or Asn

<220>

<221> SITE

<222> (6)..(6)

<223> X is Asn, Tyr, Lys or Thr

<220>

<221> SITE

<222> (7)..(7)

<223> X is Asn or Thr

<220>

<221> SITE

<222> (8)..(8)

<223> X is Ser, Cys, Asn or Gly

<220>

<221> SITE

<222> (9)..(9)

<223> X is Thr, Asn or Ala

<220>

<221> SITE

<222> (10)..(10)

<223> X is Lys, Thr, Asn, Glu or Gly

<220>

<221> SITE

<222> (11)..(11)

<223> X is Asn, Glu or Thr

<220>

<221> SITE

<222> (12)..(12)

<223> X is Val, Ser or Cys

<220>

<221> SITE
<222> (13)..(13)
<223> X is Thr, Glu, Cys or Val

<220>
<221> SITE
<222> (14)..(14)
<223> X is Glu, Ser, Gly or Asn

<220>
<221> SITE
<222> (15)..(15)
<223> X is Lys, Glu, Gly or Asn

<220>
<221> SITE
<222> (16)..(16)
<223> X is Glu, Asn or Ala

<220>
<221> SITE
<222> (17)..(17)
<223> X is Glu, Arg or Asn

<220>
<221> SITE
<222> (18)..(18)
<223> X is Ile or Met

<220>
<221> SITE
<222> (19)..(19)
<223> X is Lys, Thr or Glu

<400> 7

Cys Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Asn
20

<210> 8
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide library

<220>
<221> SITE
<222> (2)..(2)
<223> X is Phe or Tyr

<220>
<221> SITE
<222> (4)..(4)
<223> X is Ile or Met

<220>
<221> SITE
<222> (7)..(7)
<223> X is Glu, Ser, Asn, Val or Gly

<220>
<221> SITE
<222> (8)..(8)
<223> X is Ile or Met

<220>
<221> SITE
<222> (10)..(10)
<223> X is Asp or Asn

<220>
<221> SITE
<222> (12)..(12)
<223> X is Val, Lys or Met

<220>
<221> SITE
<222> (13)..(13)
<223> X is Gln or Lys

<220>
<221> SITE
<222> (14)..(14)
<223> X is Lys or Gln

<220>
<221> SITE
<222> (15)..(15)
<223> X is Glu, Val or Gln

<220>
<221> SITE
<222> (16)..(16)
<223> X is Tyr or His

<220>
<221> SITE
<222> (17)..(17)
<223> X is Ala or Ser

<220>
<221> SITE
<222> (21)..(21)
<223> X is Lys or Ser

<220>

<221> SITE
 <222> (26)..(26)
 <223> X is Pro or Gln

 <220>
 <221> SITE
 <222> (28)..(28)
 <223> X is Asp, Asn, Gly or Lys

 <220>
 <221> SITE
 <222> (29)..(29)
 <223> X is Asn or Asp

 <220>
 <221> SITE
 <222> (30)..(30)
 <223> X is Asp, Asn or Ser

 <220>
 <221> SITE
 <222> (31)..(31)
 <223> X is Ser or Asn

 <220>
 <221> SITE
 <222> (32)..(32)
 <223> X is Thr or Asn

 <220>
 <221> SITE
 <222> (33)..(33)
 <223> X is Ser, Asn, Glu or Arg

 <220>
 <221> SITE
 <222> (35)..(35)
 <223> X is Arg or Thr

 <220>
 <221> SITE
 <222> (37)..(37)
 <223> X is Ile or Thr

 <220>
 <221> SITE
 <222> (38)..(38)
 <223> X is Ser or Asn

 <400> 8

Ser Xaa Asn Xaa Thr Thr Xaa Xaa Arg Xaa Lys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Leu Phe Tyr Xaa Leu Asp Val Val Xaa Ile Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Tyr Xaa Leu Xaa Xaa Cys

35

<210> 9

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide library

<220>

<221> SITE

<222> (2)..(2)

<223> X is Phe or Tyr

<220>

<221> SITE

<222> (3)..(3)

<223> X is Asn or Ser

<220>

<221> SITE

<222> (4)..(4)

<223> X is Met or Ile

<220>

<221> SITE

<222> (7)..(7)

<223> X is Glu or Val

<220>

<221> SITE

<222> (13)..(13)

<223> X is Gln or Lys

<220>

<221> SITE

<222> (14)..(14)

<223> X is Lys or Gln

<220>

<221> SITE

<222> (16)..(16)

<223> X is Tyr, His or Ser

<220>

<221> SITE

<222> (17)..(17)

<223> X is Ser or Ala

<220>

<221> SITE

<222> (26)..(26)
 <223> X is Gln, Pro or Lys

 <220>
 <221> SITE
 <222> (28)..(28)
 <223> X is Asn, Asp, Lys or Thr

 <220>
 <221> SITE
 <222> (29)..(29)
 <223> X is Glu, Gln, Ala or Lys

 <220>
 <221> SITE
 <222> (30)..(30)
 <223> X is Asn, Ser, Gly, Lys or Asp

<220>
 <221> SITE
 <222> (31)..(31)
 <223> X is Asn, Thr or Asp

<220>
 <221> SITE
 <222> (32)..(32)
 <223> X is Ser, Asn or Ala

<220>
 <221> SITE
 <222> (33)..(33)
 <223> X is Ser or Asn

<220>
 <221> SITE
 <222> (34)..(34)
 <223> X is Asn, Ser or Asp

<220>
 <221> SITE
 <222> (35)..(35)
 <223> X is Ser, Asn, Glu or Lys

<220>
 <221> SITE
 <222> (36)..(36)
 <223> X is Glu, Gln, Ser or Lys

<220>
 <221> SITE
 <222> (41)..(41)
 <223> X is Asn or Ser

<400> 9

Ser Xaa Xaa Xaa Thr Thr Xaa Leu Arg Asp Lys Lys Xaa Xaa Val Xaa
 1 5 10 15

Xaa Leu Phe Tyr Arg Leu Asp Val Val Xaa Ile Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Tyr Arg Leu Ile Xaa Cys
35 40

<210> 10
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide library

<220>
<221> SITE
<222> (3)..(3)
<223> X is Asn or Lys

<220>
<221> SITE
<222> (7)..(7)
<223> X is Ser, Asn, Gly or Asp

<220>
<221> SITE
<222> (8)..(8)
<223> X is Ile or Met

<220>
<221> SITE
<222> (9)..(9)
<223> X is Arg or Ser

<220>
<221> SITE
<222> (10)..(10)
<223> X is Asp, Asn or Gly

<220>
<221> SITE
<222> (12)..(12)
<223> X is Val, Met or Arg

<220>
<221> SITE
<222> (13)..(13)
<223> X is Gln or Lys

<220>
<221> SITE
<222> (14)..(14)

<223> X is Lys or Glu

<220>

<221> SITE

<222> (15)..(15)

<223> X is Glu or Gln

<220>

<221> SITE

<222> (16)..(16)

<223> X is Tyr or His

<220>

<221> SITE

<222> (18)..(18)

<223> X is Leu or Thr

<220>

<221> SITE

<222> (20)..(20)

<223> X is Tyr or Asn

<220>

<221> SITE

<222> (21)..(21)

<223> X is Lys or Ser

<220>

<221> SITE

<222> (26)..(26)

<223> X is Pro or Gln

<220>

<221> SITE

<222> (28)..(28)

<223> X is Asp, Gly, Lys or Asn

<220>

<221> SITE

<222> (29)..(29)

<223> X is Asn, Asp or Lys

<220>

<221> SITE

<222> (30)..(30)

<223> X is Asp, Asn or Ser

<220>

<221> SITE

<222> (31)..(31)

<223> X is Asn or Thr

<220>

<221> SITE

<222> (33)..(33)

<223> X is Ser, Arg or Asn

<220>
<221> SITE
<222> (35)..(35)
<223> X is Arg or Thr

<220>
<221> SITE
<222> (37)..(37)
<223> X is Ile, Thr or Arg

<220>
<221> SITE
<222> (38)..(38)
<223> X is Ser or Asn

<400> 10

Ser Phe Xaa Ile Thr Thr Xaa Xaa Xaa Xaa Lys Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Ala Xaa Phe Xaa Xaa Leu Asp Val Val Xaa Ile Xaa Xaa Xaa Xaa Thr
20 25 30

Xaa Tyr Xaa Leu Xaa Xaa Cys
35

<210> 11
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide library

<220>
<221> SITE
<222> (4)..(4)
<223> X is Ile, Ala, Thr or Met

<220>
<221> SITE
<222> (12)..(12)
<223> X is Lys, Thr or Gln

<220>
<221> SITE
<222> (13)..(13)
<223> X is Lys, Gln, Glu or His

<220>
<221> SITE
<222> (14)..(14)
<223> X is Lys, Gln or Thr

<220>
<221> SITE
<222> (15)..(15)
<223> X is Val, Glu or Ala

<220>
<221> SITE
<222> (16)..(16)
<223> X is Tyr, His, Asn, Ser or Arg

<220>
<221> SITE
<222> (22)..(22)
<223> X is Leu or Pro

<220>
<221> SITE
<222> (26)..(26)
<223> X is Pro, Gln or Ser

<220>
<221> SITE
<222> (28)..(28)
<223> X is Asn, Asp or Lys

<220>
<221> SITE
<222> (29)..(29)
<223> X is Asn, Ser, Asp or Lys

<220>
<221> SITE
<222> (30)..(30)
<223> X is Asn,